

Yorkshire Dales National Park

Forecast valid from 00:00 on Thursday 11 Mar 2021 until 23:59 on Friday 12 Mar 2021

Forecast Issued on Wednesday 10 Mar 2021 at 10:37

Confidence: High for continuing unsettled with showers or longer periods of rain and summit snow. Confidence lowering for timing of worst of the weather in the outlook period.

Headline for Thursday 11 Mar 2021: Storm force summit winds easing severe gale around dawn. Showers by day.

Mountain weather hazards on Thursday 11 Mar 2021

Blizzards

No Likelihood

Heavy Snow

No Likelihood

Storm force winds

Low Likelihood

Gales

High Likelihood

Severe chill effect

Medium Likelihood

Poor visibility

Low Likelihood

Thunderstorms

Low Likelihood

Heavy persistent rain

No Likelihood

Strong sunlight

Low Likelihood

Weather and chance of precipitation at 600m

Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Heavy rain showers (night)	Heavy Rain	Heavy Rain	Light rain showers	Light rain showers	Heavy rain showers	Heavy rain showers	Light rain showers (night)
Precipitation probability							
60%	90%	70%	30%	30%	50%	40%	30%

Forecast for Thursday 11 Mar 2021

Weather: Band of rain crossing from the west overnight, coupled with severe gale to storm force summit winds. Sunshine and scattered showers for Thursday with heavier outbreaks during the afternoon, bringing a risk of hail and thunder. Snow level lowering to around 500m from late morning. Clear spells and scattered showers continuing through the evening.

Chance of cloud free mountain/hill tops above 600m: 80% for any given time, but due to the showery nature of the flow 10% or less for the duration of longer walks.

Visibility: Generally good becoming moderate or poor in showers, less in later snow showers and also in cloud which lowers 500-700m sporadically.

Forecast for Thursday 11 Mar 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	39/58 SW	39/57 SW	33/49 W	33/49 W	30/45 W	29/43 W	26/40 W	27/43 W	28/45 W
300	25/54 SW	26/54 SW	24/48 W	23/46 W	21/43 W	21/41 W	19/38 W	19/40 W	21/43 W
Valley	23/51 SW	25/53 SW	23/48 W	22/44 W	21/43 W	20/40 W	16/34 W	18/38 W	19/40 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/-3	3/-4	3/-4	1/-7	1/-7	1/-6	0/-7	-0/-8	-0/-8
300	7/2	6/0	5/-0	3/-3	4/-2	4/-2	2/-3	2/-4	2/-4
Valley	8/4	7/2	6/1	5/-0	6/1	5/0	4/-0	4/-1	4/-1
Freezing Level*	1200m	1100m	1000m	700m	600m	600m	600m	500m	600m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Storm force summit winds making walking unrealistic overnight, particularly in the driving rain and extensive hill fog. Significant wind chill through the day.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Wed 10 Mar 2021	21.6mm	23mm	27.4mm

Forecast for Friday 12 Mar 2021

Weather: Sunshine and well scattered showers by day with snow level around 500m. Band of rain and summit snow reaching from the west towards midnight.

Maximum wind: West or Southwest initially mean 25-30mph with gusts reaching 45mph across most exposed ridges and summits, easing a touch by mid-morning

Chance of cloud free mountain/hill tops above 600m: 90% for any given time, but due to the showery nature of the flow 20% for the duration of longer walks.

Visibility: Generally good becoming moderate or poor in showers, less in snow showers and also in cloud which lowers 500-700m sporadically.

Temperature: **Valleys:** Plus 2 Celsius increasing 7 Celsius during the afternoon
At 600m: Zero to minus 2 Celsius
Freezing level: 500-600m